



Approval # 20050002
(Renewal for 99002-U (Revised))

Environmental & Regulatory Services Division
Bureau of Petroleum Products and Tanks
201 West Washington Avenue
P.O. Box 7837
Madison, WI 53707-7837

Wisconsin COMM 10 Material Approval

Equipment: Secondary Containment Vessels

Manufacturer: Wieser Concrete Products, Inc.
2815 Riley Rd.
Portage, WI 53901

Expiration of Approval: December 31, 2009

SCOPE OF EVALUATION

The secondary containment vessels manufactured by Wieser Concrete Products, Inc. were evaluated against the diking requirements of **s. Comm 10.345** and the secondary containment and vehicle collision protection requirements of **ss. Comm 10.415 (7) to (8)** of the Wisconsin Flammable and Combustible Liquids Code.

This evaluation summary is condensed to provide the specific installation, application and operation parameters necessary to maintain the subject systems in compliance with the Wisconsin Administrative Code – Comm 10.

DESCRIPTION AND USE

The secondary containment vessels are made of steel-reinforced precast concrete. Anchor bolts are provided to tie down the storage tank. To remove rainwater from the vessel, a siphon system is mounted on the side. The siphon must be manually primed each time the vessel is to be emptied. An alternative method for water removal is a 1-inch galvanized pipe through the vessel wall at the sump using a self-closing valve.

The secondary containment systems covered by this approval are sized as described in Table 1 below.

Table 1
Secondary Containment Sizes

<u>Model Number</u>	<u>Spill/Leak Capacity</u>	<u>Tank Size</u>
SL300	405 Gallons	300 Gallons/38" Diameter
SL550A	886 Gallons	550 Gallons/48" Diameter or 560 Gallons/48" Diameter
SL1000	1,317 Gallons	1,000 Gallons/48" Diameter
SL1500	1,895 Gallons	1,500 Gallons/64" Diameter
SL2000	2,500 Gallons	2,000 Gallons/64" Diameter

TESTS AND RESULTS

Structural calculations were prepared by Registered Engineer John O. Hamel of Lake Delton, Wisconsin.

A videotape of an actual collision test is on file with the department.

LIMITATIONS / CONDITIONS OF APPROVAL

- In accordance with **s. Comm 10.345 (1)(a)**, the secondary containment vessel shall have a capacity 25 percent larger than the tank it contains.
- The vessels shall be sized to provide sufficient clearance for visual inspection of the tank as required under **s. ILHR 10.415 (13)(a) 1**. No additional clearance for collision protection is required provided the tank is centered in the vessel and firmly bolted to the vessel.
- A reduced dispenser to tank setback is allowed for snowmobile, all-terrain vehicle (ATV), marine, and fleet fueling using any listed tank.
- The tank system shall be designed, installed, and maintained in accordance with the applicable sections of Comm 10, NFPA 30 and NFPA 30A.
- An aboveground storage tank installer certified by the department in accordance with **Comm 5.84** shall supervise the installation.

- Additional vehicle collision protection, such as posts or rails in accordance with **s. Comm 10.415 (8)** are not required provided the tank is fastened with anchor bolts in the center of the vessel; and shear valves, flexible connectors or other protective devices are installed on product and/or electrical lines to assure adequate system flexibility should the system be displaced by collision.

Unusual or heavy traffic patterns may require additional visual warning or collision protection.

This approval will be valid through December 31, 2009, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The Department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement unless specified in this document.

Effective Date: January 1, 2005

Reviewed by: _____

Greg Bareta, P. E.
Engineering Consultant
Bureau of Petroleum Products and Tanks

Approved by: _____ Date: _____